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Sequence Listing was accepted.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: markspencer

Timestamp: Wed Sep 12 10:20:11 EDT 2007

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Application No: 10563221

Version No: 1.0

Input Set:

Output Set:

Started: 2007-08-21 08:07:02.883

Finished: 2007-08-21 08:07:04.494

Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 611 ms

Total Warnings: 13

Total Errors: 3

No. of SeqIDs Defined: 41

Actual SeqID Count: 41

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (40)
E 257	Invalid sequence data feature in <221> in SEQ ID (40)
E 257	Invalid sequence data feature in <221> in SEQ ID (40)
W 213	Artificial or Unknown found in <213> in SEQ ID (41)
E 257	Invalid sequence data feature in <221> in SEQ ID (41)

SEQUENCE LISTING

<110> PHALIPON, ARMELLE
NATO, FARIDA
MULARD, LAURENCE
SANSONETTI, PHILIPPE

<120> GLYCOCONJUGATES AND THEIR USE AS POTENTIAL VACCINES
AGAINST INFECTION BY SHIGELLA FLEXNERI

<130> 3447.0016

<140> 10563221

<141> 2007-08-21

<150> PCT/IB2004/002657

<151> 2004-07-02

<150> CA 2,434,685

<151> 2003-07-04

<150> CA 2,434,668

<151> 2003-07-07

<160> 41

<170> PatentIn Ver. 3.3

<210> 1

<211> 45

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
primer

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45

<210> 2

<211> 27

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
primer

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27

<210> 3

<211> 30

<212> DNA
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 <223> Description of Artificial Sequence: Synthetic
 primer

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 gggggtacta gtcttgggta ttctaggctc 30

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 <210> 7
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primer

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gaggttcagc tcgagcagtc tggggc

26

<210> 8

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<212> DNA

<213> Artificial Sequence

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<212> DNA

<213> Artificial Sequence

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primer

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gaggtaaagc tcgaggagtc tggagg

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<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
primer

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gaagtgcagc tcgaggagtc tggggg

26

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<212> DNA

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primer

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26

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<213> Mus musculus

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Asn Tyr Trp Met Ser
1 5

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<400> 13
Tyr Ser Ser Ile His
1 5

<210> 14
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<400> 14
Asp Tyr Ser Leu His
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<210> 15
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<400> 15
Asp Tyr Ser Met His
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<210> 16
<211> 19
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Val Lys Gly

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<213> Mus musculus

<400> 17

Trp Ile Asn Thr Ala Thr Gly Glu Pro Thr Tyr Pro Asp Asp Phe Lys
1 5 10 15

Gly

<210> 18

<211> 17

<212> PRT

<213> Mus musculus

<400> 18

Trp Ile Asn Thr Glu Thr Gly Glu Pro Ala Tyr Ala Asp Asp Phe Lys
1 5 10 15

Gly

<210> 19

<211> 17

<212> PRT

<213> Mus musculus

<400> 19

Trp Val Asn Thr Gln Thr Gly Glu Pro Ser Tyr Ala Asp Asp Phe Lys
1 5 10 15

Gly

<210> 20

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<212> PRT

<213> Mus musculus

<400> 20

Pro Met Asp Tyr
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<210> 21

<211> 8

<212> PRT

<213> Mus musculus

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Tyr Asp Tyr Ala Gly Phe Tyr Trp
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<210> 22

<211> 7
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<400> 22
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Tyr Arg Tyr Asp Gly Ala His
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<210> 24
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<212> PRT
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1 5 10 15

<210> 25
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<212> PRT
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<210> 26
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<210> 27
<211> 9
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<213> Mus musculus

<400> 27
Arg Ala Arg Ser Ser Val Gly Tyr Met
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<210> 28

<211> 7

<212> PRT

<213> Mus musculus

<400> 28

His Leu Ser Asn Leu Ala Ser

1 5

<210> 29

<211> 7

<212> PRT

<213> Mus musculus

<400> 29

Asp Thr Ser Lys Leu Ala Ser

1 5

<210> 30

<211> 7

<212> PRT

<213> Mus musculus

<400> 30

Ala Thr Ser Asn Leu Ala Ala

1 5

<210> 31

<211> 7

<212> PRT

<213> Mus musculus

<400> 31

Ala Thr Ser Asn Gln Ala Ser

1 5

<210> 32

<211> 9

<212> PRT

<213> Mus musculus

<400> 32

Ala His Asn Val Glu Leu Pro Arg Thr

1 5

<210> 33

<211> 9

<212> PRT

<213> Mus musculus

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Gln Gln Trp Ser Arg Asn Pro Leu Thr

1 5

<210> 34

<211> 9

<212> PRT

<213> Mus musculus

<400> 34

Gln Gln Trp Ser Ser Asp Pro Phe Thr

1 5

<210> 35

<211> 19

<212> PRT

<213> Mus musculus

<400> 35

Glu Ile Arg Leu Lys Ser Asn Asn Tyr Ala Thr His Tyr Ala Glu Ser

1 5 10 15

Val Lys Gly

<210> 36

<211> 9

<212> PRT

<213> Mus musculus

<400> 36

Gly Gly Ala Val Gly Ala Met Asp Tyr

1 5

<210> 37

<211> 16

<212> PRT

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Arg Ser Ser Gln Ser Leu Leu His Ser Asp Gly Asn Thr Tyr Leu His

1 5 10 15

<210> 38

<211> 7

<212> PRT

<213> Mus musculus

<400> 38

Lys Val Ser Asn Arg Phe Ser

1 5

<210> 39
<211> 8
<212> PRT
<213> Mus musculus

<400> 39
Ser Gln Thr Thr His Val Pro Thr
1 5

<210> 40
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
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<222> (3)
<223> Cyclohexyl-Ala

<220>
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1 5 10

<210> 41
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<220>
<221> MOD_RES
<222> (2)
<223> Cyclohexyl-Ala

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1 5 10